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54 **Doublestranded RNA correction of abnormalities in circulating immune complexes and monocyte function.**

57 The use of a double-stranded RNA for the manufacture of a medicament for treating an inflammatory disorder characterised by elevated levels of circulating immune complexes in the patient's blood.

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EUROPEAN SEARCH REPORT

Application Number

EP 88 30 6418

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	NATURE, vol. 242, no. 5399, 20th April 1973, pages 525-526; M. KOLTAI et al.: "Inhibition of the acute inflammatory response by interferon inhibitors" * Whole article *	1-18	A 61 K 31/70 G 01 N 33/564
X	THE LANCET, 6th June 1987, pages 1286-1292; W.A. CARTER et al.: "Clinical, immunological, and virological effects of ampligen, a mismatched double-stranded RNA, in patients with AIDS or AIDS-related complex" * Whole article *	1-18	
X	JOURNAL OF BIOLOGICAL RESPONSE MODIFIERS, vol. 4, 1985, pages 669-675, Raven Press, New York, US; I. BRODSKY et al.: "Clinical studies with ampligen (mismatched double-stranded RNA)" * Whole article *	1-18	
X,Y	JOURNAL OF BIOLOGICAL RESPONSE MODIFIERS, vol. 4, 1985, pages 495-502, Raven Press, New York, US; W.A. CARTER et al.: "Preclinical studies with ampligen (mismatched double-stranded RNA)" * Whole article *	1-18	TECHNICAL FIELDS SEARCHED (Int. Cl. 4) A 61 K C 07 H
X	SPRINGER SEMIN. IMMUNOPATHOL., vol. 2, 1979, pages 149-168, Springer-Verlag; A.G. JOHNSON: "Modulation of the immune system by synthetic polynucleotides" * Pages 152-159, 162 *	1-18	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27-02-1991	Examiner ORVIZ DIAZ P.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503.03.82 (P0401)



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

x LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-18: Use of double-stranded RNA.
2. Claims 19-20: Diagnostic method.

- ☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☐ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	HANDBOOK OF EXPERIMENTAL PHARMACOLOGY, vol. 71: "Interferons and their applications", ed. P.E. CAME et al., pages 535-555, Springer-Verlag, Heidelberg, New York, US; J.J. GREENE et al.: "Therapeutic applications of double-stranded RNAs" * Whole article, esp. pages 539,548 * ---	1-18	
X	EP-A-0 213 921 (HEM RESEARCH INC.) * Whole document * ---	1-18	
X	EP-A-0 113 162 (W.A. CARTER) * Whole document * ---	1-18	
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A	ANN. CLIN. RES., vol. 7, 1975, pages 129-137; J.L. KALLIOMAKI et al.: "The role of viruses in the aetiology of connective tissue diseases" * Whole article * ---	1-18	
A	US-A-4 140 761 (J. GERRIN) * Whole document * ---	1-18	
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
D,X	J. CLIN. INVEST., vol. 78, no. 4, 1986, pages 977-982, The American Society for Clinical Investigations, Inc.; F.A. TAUSK et al.: "Altered erythrocyte C3b receptor expression, immune complexes, and complement activation in homosexual men in varying risk groups for acquired immune deficiency syndrome" * Abstract; methods *	19	
D,X	JOURNAL OF CLINICAL IMMUNOLOGY, vol. 5, no. 2, 1985, pages 130-138, Plenum Publishing Corp.; J.S. McDOUGAL et al.: "Immune complexes in the acquired immunodeficiency syndrome (AIDS): Relationship to disease manifestation, risk group, and immunologic defect" * Abstract; methods *	20	
D,X	AIDS RESEARCH, vol. 2, no. 3, 1986, pages 235-247, Mary Ann Liebert, Inc., Publishers; Y. INADA et al.: "Hematologic correlates and the role of erythrocyte CR1 (C3b receptor) in the development of aids" * Abstract; "Materials and methods" *	19	
D,X	EUROPEAN JOURNAL OF CLINICAL INVESTIGATION, vol. 16, no. 3, 1986, pages 262-270; P. ROUX-LOMBARD et al.: "Altered functions of peripheral blood monocytes in homosexual males and intravenous drug users with persistent generalized lymphadenopathy" * Abstract; "Patients and methods" * --- -/-	20	
The present search report has been drawn up for all claims			
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D,X	DIAGNOSTIC IMMUNOLOGY, vol. 2, no. 4, 1984, pages 203-212, Alan R. Liss, Inc.; A. CRUCHAUD et al.: "Phagocytosis, bactericidal capacity, and PGE2 production of monocytes in systemic lupus erythematosus and rheumatoid arthritis" * Abstract; "Materials and methods" * -----	20	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
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